

## DISC STORAGE BOX

### BACKGROUND OF THE INVENTION

#### 1. Field of the Invention

The present invention relates to a disc storage box, and more particularly to a disc storage box having a body for storing two discs and a cover for clamping documents.

#### 2. Description of the Related Art

A conventional disc storage box comprises a body, and a cover connected to the body by a connecting plate. Each of the body and the cover has an inner face provided with a stepped locking member for positioning a disc. Thus, the conventional disc storage box can be used to store two discs by the body and the cover respectively. However, the body and the cover are used to store the two discs respectively, so that there is no space for holding the documents, such as the instruction, specification, menu or the like, thereby causing inconvenience to the user, and thereby decreasing the versatility of the conventional disc storage box.

### SUMMARY OF THE INVENTION

The primary objective of the present invention is to provide a disc storage box, wherein the two discs are inserted into and removed from the first support seat and the second support seat of the body in an independent manner without incurring interference, thereby facilitating the user placing and taking the two discs.

Another objective of the present invention is to provide a disc storage box, wherein the documents, such as the instruction, specification, menu or the like, are placed on the inner face of the cover and are clamped by the clips of the cover, thereby enhancing the versatility of the disc storage box.

5           A further objective of the present invention is to provide a disc storage box that has a simple construction and is formed easily, thereby decreasing costs of fabrication.

In accordance with the present invention, there is provided a disc storage box, comprising:

10           a body having an inner face provided with a substantially C-shaped first support seat and a substantially C-shaped second support seat juxtaposed to the first support seat;

          the first support seat of the body including a plurality of support plates and a plurality of elastic positioning brackets arranged in a staggered  
15   manner; and

          the second support seat of the body including a plurality of support plates and a plurality of elastic positioning brackets arranged in a staggered manner.

Further benefits and advantages of the present invention will become  
20   apparent after a careful reading of the detailed description with appropriate reference to the accompanying drawings.

### **BRIEF DESCRIPTION OF THE DRAWINGS**

Fig. 1 is a perspective view of a disc storage box in accordance with the preferred embodiment of the present invention;

Fig. 2 is a perspective view showing usage of the disc storage box in accordance with the preferred embodiment of the present invention;

5 Fig. 3 is a plan cross-sectional view of the disc storage box taken along line 3-3 as shown in Fig. 2;

Fig. 4 is a schematic operational view of the disc storage box as shown in Fig. 3; and

10 Fig. 5 is a schematic operational view of the disc storage box as shown in Fig. 3.

### **DETAILED DESCRIPTION OF THE INVENTION**

Referring to the drawings and initially to Figs. 1-3, a disc storage box in accordance with the preferred embodiment of the present invention comprises a body 10, and a cover 20 connected to the body 10 by a connecting  
15 plate 30.

The body 10 has an inner face provided with a substantially C-shaped first support seat 11 and a substantially C-shaped second support seat 12 juxtaposed to the first support seat 11. The first support seat 11 and the second support seat 12 of the body 10 overlap each other. The first support seat  
20 11 of the body 10 has an oblique shape and has an inclined angle gradually increased from a mediate portion of the first support seat 11 to an opening of the first support seat 11, and the second support seat 12 of the body 10 has an

oblique shape and has an inclined angle gradually increased from a mediate portion of the second support seat 12 to an opening of the second support seat 12. In addition, the inclined angle of the first support seat 11 is greater than that of the second support seat 12. The first support seat 11 of the body 10 has an  
5 opened end having a height slightly greater than that of a side frame 13 of the body 10.

The first support seat 11 of the body 10 includes four arc-shaped support plates 111 and three substantially inverted L-shaped elastic positioning brackets 112 arranged in a staggered manner. In addition, each of two  
10 positioning brackets 112 located at the two opposite sides of the first support seat 11 of the body 10 is provided with an arc-shaped elastic locking block 113. The second support seat 12 of the body 10 includes four arc-shaped support plates 121 and three substantially inverted L-shaped elastic positioning brackets 122 arranged in a staggered manner. In addition, each of two  
15 positioning brackets 122 located at the two opposite sides of the second support seat 12 of the body 10 is provided with an arc-shaped elastic locking block 123.

The cover 20 has an inner face having an end provided with two elastic clips 21.

20 As shown in Figs. 2 and 3, two discs 40 are respectively slid into the first support seat 11 and the second support seat 12 of the body 10 in an inclined manner. At this time, the two discs 40 are supported on the support

plates 111 of the first support seat 11 and the support plates 121 of the second support seat 12 respectively and are elastically locked by the locking blocks 113 of the positioning brackets 112 of the first support seat 11 and the locking blocks 123 of the positioning brackets 122 of the second support seat 12 respectively, so that the two discs 40 are positioned in the body 10 rigidly and stably. In addition, documents, such as the instruction, specification, menu or the like, are placed on the inner face of the cover 20 and are clamped by the clips 21 of the cover 20.

As shown in Figs. 4 and 5, the two discs 40 are respectively moved in an inclined manner, so that the two discs 40 are inserted into and removed from the first support seat 11 and the second support seat 12 of the body 10 in an independent manner without incurring interference, thereby facilitating the user taking the two discs 40.

Accordingly, the two discs 40 are inserted into and removed from the first support seat 11 and the second support seat 12 of the body 10 in an independent manner without incurring interference, thereby facilitating the user placing and taking the two discs 40. In addition, the documents, such as the instruction, specification, menu or the like, are placed on the inner face of the cover 20 and are clamped by the clips 21 of the cover 20, thereby enhancing the versatility of the disc storage box. Further, the disc storage box has a simple construction and is formed easily, thereby decreasing costs of fabrication.

Although the invention has been explained in relation to its preferred embodiment(s) as mentioned above, it is to be understood that many other possible modifications and variations can be made without departing from the scope of the present invention. It is, therefore, contemplated that the appended  
5 claim or claims will cover such modifications and variations that fall within the true scope of the invention.